

Title (en)
TROUBLE-DECIDING DEVICE FOR ELECTRIC OIL PUMP TO BE USED IN TRANSMISSION OF VEHICLE HAVING ENGINE AUTOMATIC-STOP CONTROL DEVICE

Title (de)
STÖRUNGSERKENNUNGSVORRICHTUNG FÜR EINE ELEKTRISCHE ÖLPUMPE ZUR VERWENDUNG IN EINEM FAHRZEUGGETRIEBE MIT EINER VORRICHTUNG FÜR AUTOMATISCHEN MOTORSTOPP

Title (fr)
DISPOSITIF DE DÉTERMINATION D' INCIDENT POUR POMPE À HUILE ÉLECTRIQUE, DESTINÉ À ÊTRE UTILISÉ DANS LA TRANSMISSION D' UN VÉHICULE MUNI D' UN DISPOSITIF DE COMMANDE D' ARRÊT AUTOMATIQUE DU MOTEUR

Publication
EP 2282083 B1 20130710 (EN)

Application
EP 09758249 A 20090527

Priority
• JP 2009059674 W 20090527
• JP 2008145231 A 20080603

Abstract (en)
[origin: EP2282083A1] At vehicle stop judgment time t1, a first engine automatic-stop control permission judgment, based on idle stop permission conditions by which an instant permission judgment can be possible, is carried out. If a result of the first engine automatic-stop control permission judgment at time t1 is "permitted", the second engine automatic-stop control permission judgment, based on an idle stop permission condition which requires a certain time for the judgment, is initiated, and an electric oil pump ON (drive) command (the test drive command) is issued. At time t2 at which an actual drive of the electric oil pump in response to the test drive command is detected, it is judged that a failure of an electric system of the electric oil pump and a foreign matter-biting failure of the electric oil pump do not occur, then a failure judgment of the electric oil pump becomes "normal". This judgment is completed before time t3 at which the second engine automatic-stop control permission judgment ends, and both of "permitted" of a result of the second engine automatic-stop control permission judgment and "normal" of the failure judgment of the electric oil pump, an idle stop ON command is not outputted.

IPC 8 full level
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CPC (source: EP US)
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Cited by
DE102012216834B4; US10221938B2; US9039383B2; WO2015177362A3

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